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(54) Title: PENETRATION ENHANCING AGENT AND METHOD OF ITS PRODUCTION FROM THE HEMP SEEDS

(57) Abstract: The conveying and absorption agent, preferably for the active substances of the pharmaceutical, dietetic, and cosmetic preparations, consists of the extract from the hemp seeds, obtained by action of carbon dioxide. Advantageously, the extract is a component of the fat or wax base of the pharmaceutical or cosmetic preparation, preferably composed of the propolis relieved of its pollen contents. According to the method of production of the conveying and absorption agent from the hemp seeds for the active substances of the pharmaceutical, dietetic, and cosmetic preparations, the hemp seeds are ground down to hemp flour, being then pressure-extracted with carbon dioxide to the hemp oil. The hemp seeds are ground down to fine-grain flour, which is then powered into the extraction cartridges that are inserted into the extractor. Extractor is then closed and the carbon dioxide is then driven into it at the temperature between 35 °C - 45 °C and the pressure between 25 MPa and 35 MPa, advantageously 40 °C and pressure 29 MPa. With the hemp oil extraction process slowed down, the carbon dioxide pressure in the extractor is reduced down to the ambient atmospheric pressure value and the hemp oil is separated from the carbon dioxide which is subsequently led away from the extractor to the reserve tank, where it will be stored in its supercritical condition. For removal of chlorophyll and waxes, 2 % - 35 % in weight of the crushed silicon sand is mixed into the hemp oil extracted. Following the surface absorption, the crushed silicon sand is filtered out.



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